

02/23/2005 WED 16:17 FAX 12489888363 Carlson, Gaskey & Olds

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FEB 23 2005

Serial No. 10/083,774

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Thomas A. Millott, et al.

SERIAL NO.: 10/083,774

GROUP ART: 2644

FILED: 2/27/02

EXAMINER: Brian T. Pendleton

FOR: COMPUTATIONALLY EFFICIENT MEANS FOR OPTIMAL
CONTROL WITH CONTROL CONSTRAINTS

ATTORNEY DOCKET NO: 67,008-038/S-5451

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT

In response to the first Office Action from the Examiner mailed January 6, 2005, please amend the application as follows:

Amendments to the claims are reflected in the complete listing of the claims beginning on page 2.

Remarks begin on page 11.

CERTIFICATE OF TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, fax number (703) 872-9306, on February 23, 2005.

Lesley Upton

04/14/2005 PZIMMERM 00000004 501482 10083774

01 FC:1202 200.00 DA
02 FC:1201 400.00 DA

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Serial No. 10/083,774

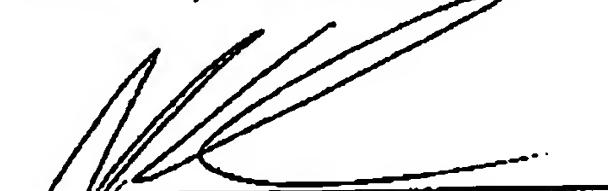
REMARKS

The Examiner has indicated that claims 12-15 are allowed and that claims 4-11, 17-19 and 21-25 would be allowable if amended into independent form. Applicant has incorporated allowable claim 7 into independent claim 1 and has amended allowable claim 8 into independent form. Independent claim 16 has been amended to include the limitations of allowable claim 17. Independent claim 20 has been amended to include the limitations of allowable claim 21. New claim 26 incorporates the limitations of allowable claim 5 into independent form. Applicant has also made minor corrections and clarifications to several claims.

It is believed that this application is in condition for allowance. Please charge Deposit Account No. 50-1482 \$500 for two additional independent claims in excess of three and two additional claims total in excess of twenty. If any additional fees or extensions of time are required, please charge to Deposit Account No. 50-1482.

Respectfully submitted,

CARLSON, GASKEY & OLDS



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Dated: February 23, 2005

10083774

PATENT APPLICATION FEE DETERMINATION RECORD
Effective October 1, 2001

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS	25	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	25 minus 20 =	5
INDEPENDENT CLAIMS	11 minus 3 =	1
MULTIPLE DEPENDENT CLAIM PRESENT		<input type="checkbox"/>

* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY TYPE	OR	OTHER THAN SMALL ENTITY	
RATE		RATE	
BASIC FEE	370.00	BASIC FEE	740.00
X\$ 9=		X\$18=	90
X42=		X84=	84
+140=		+280=	
TOTAL		TOTAL	94

CLAIMS AS AMENDED - PART II

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 89	Minus	** 25 - 1
Independent	* 6	Minus	*** 4 - 2
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

SMALL ENTITY	OR	OTHER THAN SMALL ENTITY
RATE		RATE
X\$ 9=		X\$18= 200
X42=		X84= 200
+140=		+280=
TOTAL ADDIT. FEE		TOTAL ADDIT. FEE

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	*	Minus	**
Independent	*	Minus	***
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

RATE	ADDI- TIONAL FEE	RATE	ADDI- TIONAL FEE
X\$ 9=		X\$18=	
X42=		X84=	
+140=		+280=	
TOTAL ADDIT. FEE		TOTAL ADDIT. FEE	

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	*	Minus	**
Independent	*	Minus	***
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

RATE	ADDI- TIONAL FEE	RATE	ADDI- TIONAL FEE
X\$ 9=		X\$18=	
X42=		X84=	
+140=		+280=	
TOTAL ADDIT. FEE		TOTAL ADDIT. FEE	

- * If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
- ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
- *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.